

SAFETY DATA SHEET

Anodal OL p

Page 1

Substance key: KS2606

Revision Date: 07/14/2022

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Date of printing :12/10/2022

SECTION 1. IDENTIFICATION

Identification of the company:

Heubach Colorants Germany GmbH
Brüningstraße 50
Frankfurt am Main, 65929
Telephone No.: +49 69 305 13619

Information of the substance/preparation:

e-mail: SDS.PI.NORAM@clariant.com

Emergency tel. number: +1 800-424-9300 CHEMTREC, +1 703) 527-3887 INTERNATIONAL

Trade name: Anodal OL p

Material number: 102707

Chemical family: polyaryl sulfonate
Mixture
Mixture containing methylene-linked condensation product of arylsulphonic acids

Primary product use: Intermediate

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the Hazardous Products Regulations

Combustible dust : Category 1

GHS label elements

Precautionary statements : P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243 Take precautionary measures against static discharge.
P233 Keep container tightly closed.

Other hazards

No hazards to be specially mentioned.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : polyaryl sulfonate
Mixture

Components

No hazardous ingredients

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SECTION 4. FIRST AID MEASURES

- General advice : Remove/ Take off immediately all contaminated clothing.
- If inhaled : Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.
If symptoms persist, call a physician.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Get medical attention immediately if irritation develops and persists.
- If swallowed : If conscious, give the victim plenty of water to drink.
Consult a physician.
Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Dry chemical
Carbon dioxide (CO₂)
Dry powder
- Unsuitable extinguishing media : water jet
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon dioxide (CO₂)
Carbon monoxide
Sulphur dioxide
- Special protective equipment for firefighters : Self-contained breathing apparatus

SECTION 6. ACCIDENTAL RELEASE MEASURES

SAFETY DATA SHEET

Anodal OL p

Page 3

Substance key: KS2606

Revision Date: 07/14/2022

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- Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment. Unprotected persons must be kept away.
Ensure adequate ventilation.
Keep people away from and upwind of spill/leak.
Do not breathe dust.
Combustible Solids
- Environmental precautions : The product should not be allowed to enter drains, water courses or the soil.
Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.
- Methods and materials for containment and cleaning up : Clean-up methods - small spillage
Sweep up or vacuum up spillage and collect in suitable container for disposal.
Dispose of contaminated material as prescribed
Clean-up methods - large spillage
Keep in suitable, closed containers for disposal.
Non-sparking tools should be used.
Prevent product from entering drains.
Treat recovered material as described in the section "Disposal considerations".
- Risk of dust explosion.

SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take precautionary measures against static discharges.
Electrical equipment should be protected to the appropriate standard.
Dust may form explosive mixture in air.
Keep away sources of ignition.
- Advice on safe handling : Avoid dust formation. Keep away from sources of ignition.
Lead off electrostatic charges.
Avoid inhalation, ingestion and contact with skin and eyes.
Keep container closed.
Wash thoroughly after handling.
- Further information on storage conditions : Keep container tightly closed.
Keep container dry.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

- Engineering measures** : A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

SAFETY DATA SHEET

Anodal OL p

Page 4

Substance key: KS2606

Revision Date: 07/14/2022

Version : 1 - 4 / CDN

Date of printing :12/10/2022

Personal protective equipment

- Respiratory protection : Wear NIOSH approved particulate filtering respirator rated N, R, or P95 or 100 or equivalent in the absence of proper environmental control. Type of respirator depends on level of exposure.
- Hand protection
Remarks : Butyl Rubber, PVC Or Neoprene.
- Material : Chloroprene
Break through time : < 60.0 min
- Eye protection : Safety glasses or chemical splash goggles.
- Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.
- Protective measures : Remove/ Take off immediately all contaminated clothing. Wash face, hands and any exposed skin thoroughly after handling. Ensure that eyewash stations and safety showers are close to the workstation location.
- Hygiene measures : Take off immediately all contaminated clothing. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : powder
- Colour : yellow
- Odour : odourless
- Odour Threshold : not required
- pH : 5.0 - 8.0
Concentration: 10 g/l
- Melting point : > 200 °C
Decomposition: yes
- Boiling point : (1,013 hPa)
Decomposition: yes
Not applicable
- Flash point : Not applicable
- Evaporation rate : Not applicable

SAFETY DATA SHEET

Anodal OL p

Page 5

Substance key: KS2606

Revision Date: 07/14/2022

Version : 1 - 4 / CDN

Date of printing :12/10/2022

Flammability (solid, gas)	:	not determined
Upper explosion limit / upper flammability limit	:	Not applicable
Lower explosion limit / Lower flammability limit	:	Not applicable
Relative vapour density	:	Not applicable
Relative density	:	no data available
Density	:	not determined
Bulk density	:	approx. 550 kg/m ³
Solubility(ies) Water solubility	:	200 g/l soluble (20 °C)
Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	>= 210 °C
Viscosity Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Oxidizing properties	:	no data available
Impact sensitivity	:	Not impact sensitive.
Molecular weight	:	no data available
Metal corrosion rate	:	Not applicable
Minimum ignition energy	:	not determined
Particle size	:	not determined

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable
Possibility of hazardous reactions	:	Potential dust explosion hazard.

SAFETY DATA SHEET

Anodal OL p

Page 6

Substance key: KS2606

Revision Date: 07/14/2022

Version : 1 - 4 / CDN

Date of printing :12/10/2022

Conditions to avoid : Keep away from heat and sources of ignition.
Incompatible materials : None.
Hazardous decomposition products : No decomposition if stored and applied as directed.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin contact
Eye contact
Ingestion

Acute toxicity

Product:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Acute inhalation toxicity : Remarks: no data available
Acute dermal toxicity : Remarks: no data available

Skin corrosion/irritation

Product:

Species : Rabbit
Result : No skin irritation

Serious eye damage/eye irritation

Product:

Species : Rabbit
Result : No eye irritation

Respiratory or skin sensitisation

Product:

Remarks : no data available

Germ cell mutagenicity

Product:

Genotoxicity in vitro : Remarks: no data available
Germ cell mutagenicity - Assessment : No information available.

Carcinogenicity

Product:

SAFETY DATA SHEET

Anodal OL p

Page 7

Substance key: KS2606

Revision Date: 07/14/2022

Version : 1 - 4 / CDN

Date of printing :12/10/2022

Carcinogenicity - Assessment : No information available.

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : No information available.

STOT - single exposure

Product:

Remarks : no data available

STOT - repeated exposure

Product:

Remarks : no data available

Repeated dose toxicity

Product:

Remarks : This information is not available.

Aspiration toxicity

Product:

no data available

Experience with human exposure

Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish : LC0 (Brachydanio rerio (zebrafish)): > 100 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC0 (Daphnia magna (Water flea)): > 100 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l
Exposure time: 72 h

SAFETY DATA SHEET

Anodal OL p

Page 8

Substance key: KS2606

Revision Date: 07/14/2022

Version : 1 - 4 / CDN

Date of printing :12/10/2022

Toxicity to fish (Chronic toxicity) : Remarks: no data available

Toxicity to microorganisms : IC50 (activated sludge): > 100 mg/l
End point: Bacteria toxicity (respiration inhibition)
Method: OECD Test Guideline 209

Persistence and degradability

Product:

Biodegradability : Test Type: aerobic
Result: Not readily biodegradable.
Biodegradation: 25 - 50 % (TOC)
Method: OECD Confirmatory Test

Chemical Oxygen Demand (COD) : 1,270 mg/g

Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

Mobility in soil

no data available

Other adverse effects

Product:

Environmental fate and pathways : Remarks: no data available

Additional ecological information : Product does not contain any organic bound Halogens which could lead to AOX-values.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Incineration in an approved, controlled furnace with combustion gas scrubbing and emission gas control.
Observe national and local legal requirements

Contaminated packaging : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

TDG not restricted

IATA not restricted

IMDG not restricted

Substance key: KS2606

Revision Date: 07/14/2022

Version : 1 - 4 / CDN

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SECTION 15. REGULATORY INFORMATION**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

For additional information, contact Product Stewardship.

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SAFETY DATA SHEET



Anodal OL p

Page 10

Substance key: KS2606

Revision Date: 07/14/2022

Version : 1 - 4 / CDN

Date of printing :12/10/2022

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